**GOVERNMENT OF ANDHRA PRADESH**
**ABSTRACT**

Water Resources Department – Krishnapatnam-Hyderabad Pipeline Project of M/s Bharat Petroleum Corporation Ltd. (BPCL) - Laying of 16" dia underground multi product petroleum pipeline along with 40mm dia HDPE ducts for Optical Fibre Cable (OFC) across NSP Canal in Palnadu and Guntur Districts - Permission – Accorded – Orders – Issued.

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**WATER RESOURCES (REFORMS) DEPARTMENT**

**G.O.Rt.No. 229** **Dated: 24.05.2023**

**Read the following :**

1. From the Chief Engineer (Projects), Nagarjuna Sagar Project, Guntur, Lr. No. CE/NSP/GNT/OT4/AEE2/29137/87/ Vol.10, dt. 26.06.2022.
2. From the Engineer-in-Chief (I), WRD, Lr. No. ENC(I)/EE/ DEE1/ AEE2/ IWS/BPCL-KHPL Project, dt. 22.06.2022.

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**O R D E R:**

In the letters 1st and 2nd read above, the Chief Engineer (Projects), Nagarjuna Sagar Project, Guntur and the Engineer-in-Chief (I), Water Resources Dept., Vijayawada have recommended the proposal to the Government to accord permission to M/s Bharat Petroleum Corporation Ltd. (BPCL) for laying of 16" Dia carbon steel APL 5 L Gr X 95 underground multi product pipe line along with 40 mm dia HDPE Ducts for OFC cable on both sides of the pipe line from their under construction Coastal import terminal at Krishnapatnam Port at Nellore in Andhra Pradesh State to their proposed terminal in Telangana State for transportation of finished petroleum products and requested to accord permission for laying of pipeline crossing the canals under Nagarjuna Sagar Project, duly furnishing the details of point of intersections in the jurisdictions of Macherla , Sattenapalli and Lingamaguntla Divisions in Palnadu and Guntur Districts in the letter 1st read above and subject to the following **terms & conditions**:

1. The M/s Bharat Petroleum Corporation Limited (BPCL) authorities shall take the safety measures for pipeline protection.
2. The BPCL authorities shall be responsible for the safety of all activates in the site.
3. The pipe line should be laid by horizontal directional drilling (HDD)/ Horizontal boring method only for the above mentioned canal crossings as the total width of all the canal cross section is greater than 7m.
4. As per the Superintending Engineer's report, the security deposit to be deposited by the BPCL is about Rs. 16,800/- for HDD method per metre run. Hence, the BPCL authorities have to pay security deposit of Rs.2.5 crores in shape of Bank Guarantee before execution of work to the concerned Executive Engineer.
5. The Water Resources Department, Andhra Pradesh is not responsible for any problems/ disputes/ legal complications going to be arisen from the existing neighbour firms or public during and after completion of laying of pipe line work.
6. If any damage is caused to crop or habitations in the vicinity, the sole responsibility shall lie with the applicant firm and adequate compensation should be paid by the firm to the farmers or people affected with the damage.
7. The permission is purely temporary and firm is liable for removal of any diversion structure before water release or at any time with their own expenses. Otherwise the same will be removed by the Water Resources

Department and the expenses will be met from the security Deposits of the firm.

8. This permission does not confer any right on the ownership of the Department.
9. The firm has to intimate 15 days before the commencement of work and the entire execution of work at the canal crossing points to be performed under supervision of the Water Resources Department. The work should be carried out in consultation with the irrigation Officials from time to time strictly as per departmental conditions. The pipeline work at the crossing points of major Rivers, Canals and Drains should be got inspected by the departmental officers before execution during execution and after execution. The directions of the Departmental officers should invariably be considered while executing the work keeping in view of the safety of the structures like flood banks.
10. If widening or any modernization of canals to be done in future, the M/s BPCL should change the location of pipeline accordingly as per the Departmental needs and should not have any right to claim for compensation.
11. The top level of the pipeline proposed should be laid as per depth mentioned in cross-section drawing approved by the Superintending Engineer, NSJC O&M Circle, Narasaraopet.
12. The measurements of the channel should not be altered and should not be less than the measurements in the FMB or revenue records.
13. As per the recommendations of the Superintending Engineer, the Pipe shall be laid duly maintaining a minimum of 5.0 m clear cushion from the ground or below designated bed level for major canals and 2.0 m to 2.5 m clear cushion from the ground or below designated bed level for minor canals/canals at crossings and in case of river/flood banks a minimum of 10 m is to be provided. The pipe line should be preferably laid by horizontal directional drilling (HDD)/Horizontal boring method for major rivers having bed with more than 7m without disturbing the embankments. The Pipe line crossings at the NSP canals should be encased with cement concrete of grade M15 and the entire cost should be borne by the BPCL. The Water Resources Department will not be responsible for any payment in this regard.
14. The excavation of the trenches must be well beneath the bed of Nala at crossing.
15. If there any package works are in progress in the canals, Necessary diversions are to be provided by the BPCL on the banks and bed of Canal at Crossing Point in order to avoid any hindrance to Water Regulation.
16. The laying of pipeline at the NSP Canal crossings should be carried out during Canal closure period only to avoid hindrance to Water Regulation. In case of Water Supply, any temporary structure or diversions are to be provided by the BPCL on the Banks and Bed of Canal at Crossing Point location and are to be removed by BPCL whether or not the purpose is served. The cost of removal shall be borne by BPCL.
17. Excavation of the above mentioned canals crossings are to be restored to the original HPs of the particular canal Section immediately after execution and No objection Certificate (NOC) may be obtained from the concerned officials of Water Resources Department to get release of Security deposit.
18. While doing excavation of trenches with earth moving machinery, the soil is to be dumped away from the water body's bed.
19. The run-off yield through Nalas, Drains, Rivers to the water bodies under Water Resources Department should neither be diverted nor percolated into pipeline trenches.
20. The banks of the canal shall be restored immediately whenever required by the Water Resources Department at the cost of the BPCL on 3 days prior notice.

21. The design and drawings of the Major crossings have to be vetted by the Chief Engineer, Central Designs Organization, Vijayawada as per norms where designs are involved. The necessary designs should be vetted before Execution of the Work.
22. The firm should not damage the existing ground features while laying of pipe line at the NSP canal crossings.
23. The hydraulic standards of the canals should not be disturbed/ altered during progress of work.
24. No obstruction should be caused to the free flow of canal water under any circumstances.
25. The Pipe line shall not be taken beneath any CM & CD structure of Water Resources Department and a minimum distance @ 6.50m shall be maintained.
26. In case of maintenance of canal/structure, if the Pipeline so laid is found necessary for removal the same has to be attended by the BPCL at their own cost and no compensation will be paid by the W.R. Department.
27. The canal prism, banks and inspection paths on the canal bank shall not be damaged. If any damage is found inevitable during execution, the same have to be restored and brought to the original condition as specified by the W.R. Department.
28. There should not be any obstructions to the vehicular movement on the inspection path.
29. Afflux due to obstruction to canal flow should be within limits.
30. Necessary protection to river margin to avoid erosion may be provided by the BPCL with their own cost.
31. M/s BPCL should not make any alterations of the proposals without the consent of Water Resources Department. Arrange the demarcation stones and the name boards with details of depth and width of the pipeline at the canal crossing locations.
32. The BPCL shall take an Insurance cover for indemnifying the Water Resources Department against any loss which may be caused to the canal works during the construction stage of pipeline crossing. The insurance cover shall be taken as directed by the Water Resources Department prior to the execution of crossing work shall be valid till one month after completion of the work.
33. The BPCL shall be responsible for the preservation of the essential service for any accident to the property, personal from injury or damage what so ever arising due to leakage, burst to the pipeline. The BPCL shall make good such damage or reimburse to the Water Resources Department for such loss due to damage in full assessed by the Water Resources Department.
34. An undertaking for the safety of the petroleum products pipeline and to ensure no leakages to avoid pollution of irrigation canal and drinking water which passes through the canals is to be submitted to the department before starting of the work.
35. The non-refundable amount of Rs.50,000/- per crossing through demand draft wherever BPCL pipeline is crossing the canal shall be collected before execution of work from the BPCL authorities.
36. The Water Resources Department reserves the right to cancel or alter the permission now accorded at any time without assigning any reasons and any deviation to the above terms and conditions shall be deemed to have been considered that the permission is automatically cancelled.
37. Water Resources Department reserves right of denial of crossing to the BPCL if it is found to be causing any sort of damage to the structural stability and hindrance to flow of water bodies or minor irrigation sources at the point of crossings.
38. The Department reserves the right of modification /alteration/up gradation of the department property without the consent of BPCL and the company authorities should oblige the same without any changes.

39. The firm should not construct any permanent/temporary structures in the Water Resources Department Land.
40. Any other conditions stipulated by the Water Resources Department afterwards if found necessary, the same will be binding on the firm.
41. The BPCL authorities shall have to pay necessary amount towards Right of User in Land (RoU) under the sub-section (4) of section 10 of the Petroleum and Minerals Pipelines (Acquisition of Right of User in Land ) Act, (i.e. Act No. 50 of 1962 of GoI) as fixed by the concerned Departmental Authorities.

2. Government after careful examination of the proposal and as recommended by the Chief Engineer (Projects), Nagarjuna Sagar Project, Guntur and the Engineer-in-Chief (I), Water Resources Dept., Vijayawada, hereby accord permission to M/s Bharat Petroleum Corporation Ltd.,(BPCL) Hyderabad for laying of 16" dia underground multi product petroleum pipeline along with 40mm dia HDPE ducts for Optical Fibre Cable (OFC) across canals at different points of intersections/ crossings as mentioned in the letter 1st read above in **Palnadu and Guntur District**, subject to the terms and conditions as mentioned at above para.

3. The Engineer-in-Chief (Irrigation), Water Resources Department, Andhra Pradesh, Vijayawada, Chief Engineer (Projects), Nagarjuna Sagar Project, Guntur and the Collectors & District Magistrates, Palnadu and Guntur Districts shall take necessary action accordingly.

**(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)**

**SYAMALA RAO JAMJAM**
**PRINCIPAL SECRETARY TO GOVERNMENT (FAC)**

To
The Engineer-in-Chief (Irrigation), Water Resources Department, Vijayawada.
The Chief Engineer(Projects), Nagarjuna Sagar Project, Guntur.
The Collector & District Magistrate, Palnadu / Guntur District.
The Project Manager, Krishnapatnam- Hyderabad Pipeline Project, BPCL.,
Road No.10, Jubilee Hills, Hyderabad-500 033.

Copy to:
The Private Secretary to Hon'ble Minister for Water Resources Department.
The Private Secretary to Prl. Secy. to Govt., Water Resources Department.
The Superintending Engineer, NSJC, O&M Circle, Narsaraopeta.
SF/SC.

**//FORWARDED::BY ORDER//**

P.K. Ramulu

**SECTION OFFICER.**